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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL OF CYTOKINE INHIBITORS

(57) Abstract: The use of substance that inhibits a pro-inflammatory cytokine, such as TNF or IL-1, for the production of a pharmaceutical composition for improving wound healing is disclosed. Also a method for improving wound healing wherein a therapeutically effective amount of a substance that inhibits a pro-inflammatory cytokine is administered to a patient in need of said treatment is disclosed.

A. CLASSIFICATION OF SUBJECT MATTER				
7007 AC1V 00 (00F				
IPC7: A61K 39/395 According to International Patent Classification (IPC) or to both national classification and IPC				
	S SEARCHED ocumentation searched (classification system followed by	classification symbols)		
Minimum do	ocumentation searched (classification system followed by	classification symbols,		
IPC7: A			the fields servebed	
	ion searched other than minimum documentation to the	extent that such documents are included if	I tile lields searched	
	I,NO classes as above			
Electronic d	ata base consulted during the international search (name	of data base and, where practicable, search	n terms used)	
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C. DOCU	MENTS CONSIDERED TO BE RELEVANT		;; 	
Category*	Citation of document, with indication, where appr	ropriate, of the relevant passages	Relevant to claim No.	
X	STN International, File ZCAPLUS,	accession no.	1-24	
	2002:199887, document no. 13 Kaser, Arthur et al, "Inflix	b:323691, imab in severe		
	steroid-refractory ulcerative	e colitis: A pilot		
Ì	study", & Wiener Klinische Wochenschri	ft (2001).		
1	113(23-24), 930-933	(2002),		
			1 04	
X	STN International, File MEDLINE, 2000046083, document no. 200		1-24	
ļ	Heller T. et al, "Treatment	of severe esophageal		
	Crohn's disease with inflixi INFLAMMATORY BOWEL DISEASES,	mab", & (1999 Nov) 5 (4)	·	
	279-82	(1333 1104) 5 (1)		
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			<u> </u>	
X Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand				
to be of particular relevance the principle or theory underlying the invention				
"L" document which may throw doubts on priority claim(s) or which is "E" agriced application or patent but published on or after the international document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone				
cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance: the claimed invention cannot be				
"O" document referring to an oral disclosure, use, exhibition or other means considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art				
"P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family				
Date of the actual completion of the international search Date of mailing of the international search report				
2-3-06-2003				
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Box 5055, S-102 42 STOCKHOLM		GÖRAN KARLSSON/BS		



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Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages X STN International, File MEDLINE, accession no. 2001011857, document no. 20409486, Judic N., "[Pharmacotherapy of inflammatory bowel disease]. "Farmakoterapija inflamatornih bolesti creva", & ACTA CHIRURGICA JUGOSLAVICA, (2000) 47 (1-2) 51-5 X STN International, File MEDLINE, accession no. 2001419273, document no. 21360250, Blam M.E., "Integrating anti-tumor necrosis factor therapy in inflammatory bowel disease: current and future perspectives", AMERICAN JUGNAL OF GASTROENTEROLOGY, (2001 Jul) 96 (7) 1977-97 X STN International, File MEDLINE, accession no. 2001553668, document no. 21486185, Travis S.P. et al, "Treatment of intestinal Behcet's syndrome with chimeric tumour necrosis factor alpha antibody", & GUT, (2001 Nov) 49 (5) 725-8		, F61/3L 03/00	
X STN International, File MEDLINE, accession no. 2001011857, document no. 20409486, Jojic N., "[Pharmacotherapy of inflammatory bowel disease]. "Farmakoterapija inflamatornih bolesti creva", & ACTA CHIRURGICA JUGOSLAVICA, (2000) 47 (1-2) 51-5 X STN International, File MEDLINE, accession no. 2001419273, document no. 21360250, Blam M.E., "Integrating anti-tumor necrosis factor therapy in inflammatory bowel disease: current and future perspectives", AMERICAN JOURNAL OF GASTROENTEROLOGY, (2001 Jul) 96 (7) 1977-97 X STN International, File MEDLINE, accession no. 2001553668, document no. 21486185, Travis S.P. et al, "Treatment of intestinal Behcet's syndrome with chimeric tumour necrosis factor alpha antibody",&	C (Continua	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	
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2001553668, document no. 21486185, Travis S.P. et al, "Treatment of intestinal Behcet's syndrome with chimeric tumour necrosis factor alpha antibody",&	x	no. 2001419273, document no. 21360250, Blam M.E., "Integrating anti-tumor necrosis factor therapy in inflammatory bowel disease: current and future perspectives", AMERICAN JOURNAL OF GASTROENTEROLOGY, (2001 Jul) 96	1-24
	x	2001553668, document no. 21486185, Travis S.P. et al, "Treatment of intestinal Behcet's syndrome with chimeric tumour necrosis factor alpha antibody",&	1-24
1			



Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1.	Claims Nos.: 25-48 because they relate to subject matter not required to be searched by this Authority, namely:			
	A method for treatment of the human or animal body by therapy, see rule 39.1			
2.	Claims Nos.: 1-24 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
	see next sheet			
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Вох П	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:				
	·			
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.			
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.			
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
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	·			
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Remark	The additional search fees were accompanied by the applicant's protest.			
	No protest accompanied the payment of additional search fees.			
Form PC	T/ISA/210 (continuation of first sheet (1)) (July 1998)			

Present claims 1-24 relate to a substance defined by reference to a desirable characteristic or property, namely that inhibits a pro-inflammatory cytokine for treatment of a wound by improving wound healing. The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and / or disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lacks clarity (Article 6 PCT). An attempt is made to define the compound by reference to a result to be achieved. Further, the wording "a substance that inhibits a pro-inflammatory cytokine" and similar expressions in the claims are not clear and concise. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has mainly been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely the use of the example compound infliximab for the production of a pharmaceutical composition for treatment of a wound by improving wound healing.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established will not be the subject of an international preliminary examination (Rule 66.1 (e) PCT) . This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.